



**ELEY**®  
ammunition guide



# accuracy defined

ELEY's .22LR ammunition has been used to win more Olympic medals than all other .22LR brands combined. We are one of the world's oldest ammunition manufacturers, and our products and services have been the benchmark for quality since 1828.

ELEY only manufactures .22LR cartridges and air pellets. Our research, development and experience goes into producing the most accurate ammunition in the world, establishing our status as the world leader in ballistic engineering.

ELEY's headquarters are based in the UK. The world's finest engineers use state-of-the-art machinery and advanced analytical processes to redefine accuracy.

In 1979, ELEY developed the world's first and only dry priming system, ELEY prime. This remains the most consistent method available, increasing the accuracy of every round and serving as the industry's safest priming process.



King George V  
visited ELEY's  
UK factory in 1915.

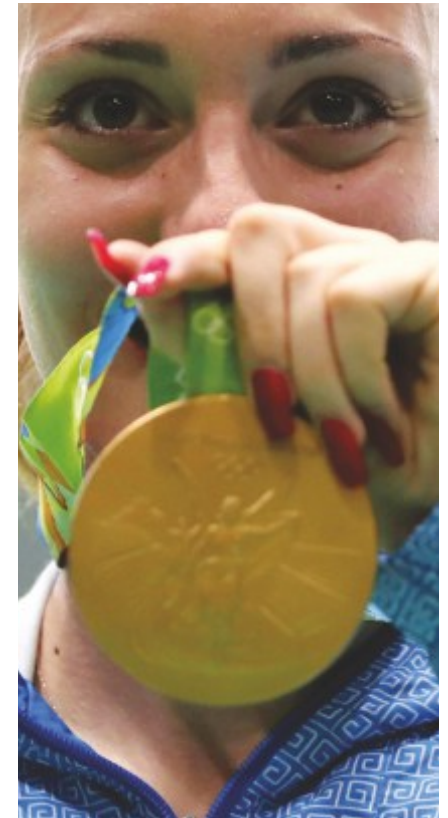






Craig Maltby







ELEY have won more major medals than all other .22LR brands combined.

### **UK range**

Selco Way, off First Avenue  
Minworth Industrial Estate  
Sutton Coldfield  
B76 1BA  
Phone: +44 (0)121 313 4539  
Email: MartynButtery@eley.co.uk

### **German ranges**

#### **Stuttgarter Straße 120**

Fellbach  
70736  
Phone: +49 (0)711 5208 7028  
Email: DenisWeingart@eley.co.uk

#### **Olympia Schießanlage Garching**

Munich  
85748  
Phone: +49 (0) 711 5208 7028  
Email: DenisWeingart@eley.co.uk

### **Norway range**

Dyrskuevegen 11  
KlØfta  
2040  
Oslo  
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### **USA range**

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# **ELEY**® ammunition testing

Improve your competition confidence and batch test your ammunition at any of ELEY's five worldwide test ranges. Our unique testing methodology, electronic targets, custom-built equipment and software ensure every shot counts.

The testing process takes three hours, during which 40 shots will be fired from up to 20 batches to compare their performance. Our proprietary software uses individual shot data to statistically analyze the performance of each batch and provide the greatest possible assessment of accuracy.

ELEY's five ranges are based in the UK, Germany, Norway and USA (Texas). Norway hosts a special cold test range which is optimized for biathlon testing. Visit [www.eleyammunition.com/testrange](http://www.eleyammunition.com/testrange) to find out more and book your appointment with one of our range officers.

### **ELEY tenex challenge**

We are so confident that our ammunition is the most consistently accurate in the world that we'll prove it to anyone who would like to take up the challenge. Bring your best batch of non-ELEY ammunition to one of our customer ranges. If we cannot outperform your batch of ammunition we will give you 5000 rounds of barrel selected ELEY tenex for free.





Multiple Olympic Medalist Matt Emmons visits ELEY's Texas test range with Gold Medalist Jamie Corkish

## tenex

40gr  
flat nose



**ELEY tenex** is the world's premier competition cartridge. It is the most accurate and successful .22LR cartridge ever developed and the choice of the world's best shooters since 1951.

Investment and continuous technological advances led to the patented flat nose bullet profile. This revolutionary feature aerodynamically stabilizes the projectile for increased accuracy.



## match

40gr  
flat nose



**ELEY match** shares technology with ELEY tenex including the flat nose bullet and the cut mouth case for enhanced ballistic characteristics.

Produced on a dedicated line with a suite of analytical processes to ensure match-winning performance.

## edge

40gr  
flat nose



**ELEY edge** was originally designed for high-level training and has since found popularity with competitive shooters.

ELEY edge introduces the patented black oxidized case which improves accuracy by modulating the release force between case and bullet for a more consistent burn and flight.





## target USA

40<sub>gr</sub>  
round nose



**ELEY target** is high performance ammunition for the USA's competitive club shooters.

Manufactured to ELEY's strict specifications, ELEY target benefits from electronic visual inspection and vigorous test proofing.

## club

40<sub>gr</sub>  
round nose



**ELEY club** our mid-range competitive target cartridge that utilizes the benefits of the round nose bullet profile.

Enhanced performance with outstanding accuracy.

rifle 



**Jamie Corkish**

2012 Olympic Gold Medalist in 3 position rifle shooting



### tenex pistol

40gr  
round nose



**ELEY tenex pistol** is the result of years of comprehensive research and development into ballistics, cycling, bullet profiles, case construction and bullet composition.

The propellant is designed specifically to provide an equal amount of energy to each bullet, improving accuracy and helping control recoil.

### tenex slow pistol

40gr  
round nose



**ELEY tenex slow pistol** features a reduced charge of propellant for lower velocity, leading to increased consistency of recoil and feel.

ELEY's complete range of analytical tools assess each round to ensure the highest possible performance demanded by the world's elite.

### match pistol

40gr  
round nose



**ELEY match pistol** offers competitive performance, aided by the round nose bullet profile which improves feeding and extraction for smooth cycling.

Extensive testing and measuring is undertaken by our skilled engineers to minimize variation between each batch.

### match slow pistol

40gr  
round nose



**ELEY match slow pistol** improves control and sight-picture recovery with a specially designed propellant which burns faster to ensure reliable performance for every shot.

The cartridges are uniformly constructed using leading techniques and equipment, including computer controlled visual inspection and the world's most accurate measuring tools.

pistol 



**Anna Korakaki**

2016 Olympic Gold Medalist in 25m Women's Pistol





### tenex biathlon

40gr  
flat nose

**ELEY tenex biathlon** was launched following extensive research and testing, leading to a new lubricant designed for low temperatures and an increased propellant charge for the biathlon target.

A redesigned flat nose bullet with a reduced diameter was developed for consistent chambering in adverse conditions.



### match biathlon

40gr  
flat nose

**ELEY match biathlon** is a highly accurate cartridge used for training and competing at the highest levels.

ELEY's patented flat nose profile pulls the center of pressure forward to offer increased stability.

biathlon 



*(left to right)* Anais Chevalier, Simon Desthieux and Jean-Guillaume Beatrix from the French Biathlon Team, winners of 50 major medals in the 2016-2017 season.





## high velocity hollow

38gr  
1130-1250fps  
hollow point

**ELEY high velocity hollow** is the first black oxidized .22LR hunting cartridge. ELEY's engineers discovered that the oxidization process optimizes the contact point between case and bullet for greater internal ballistic consistency and a proven increase in precision.

The increased propellant pushes velocity up to 1250fps for exceptional ballistic performance without compromising accuracy.



## subsonic hollow

38gr  
1040-1090fps  
hollow point

**ELEY subsonic hollow** guarantees world-class accuracy. Independent tests show that ELEY's hollow point bullet has market-leading expansion for outstanding stopping power.

One of the quietest hunting rounds available, with a non-greasy lubricant for smooth operation in all weather conditions.



Available in a 300 round rec pak.



Available in a 300 round rec pak.



hunting 



**Jeff Sipe**  
Hunter





## force

42gr  
1130-1250fps  
round nose

**ELEY force** utilizes a modified propellant with a distributed power curve for supersonic velocity in semi-automatic firearms.

The heavier 42-grain bullet and the matte-black oxidized case combine to produce superior energy and accuracy.



## contact

42gr  
1040-1090fps  
round nose

**ELEY contact** is a subsonic round which ensures ELEY's outstanding accuracy and reliability in semi-automatic rifles and pistols.

Minimal recoil enables fast follow-up shots while the 42-grain bullet delivers greater power downrange.



*Available in a 300 round rec pak.*



*Available in a 300 round rec pak.*



**Jessie Harrison**

First-ever USPSA Female Grand Master; More than 60 major World and National championships



## New for 2018

**ELEY tenex air** premium air pellets join our range of .22LR ammunition in 2018. World-class accuracy, protective packaging and precise weight control set new standards for .177 calibre air pellets.

**ELEY tenex air** pellets are manufactured in the UK using the strictest manufacturing and analytical processes to provide world-class accuracy.

Available to batch test at ELEY test ranges for the ultimate performance.

Available in 4.49mm, 4.50mm and 4.51mm diameter to ensure a match with all air rifles and air pistols.

**Patented recyclable box** - ELEY have developed protective packaging which is compartmentalised, transparent and padded to aid dispensing, traveling, and to minimise damage.



**tenex air**

**.177<sub>cal</sub>**  
**4.49<sub>mm</sub>**



**tenex air**

**.177<sub>cal</sub>**  
**4.50<sub>mm</sub>**



**tenex air**

**.177<sub>cal</sub>**  
**4.51<sub>mm</sub>**

air pellets 



Seonaid McIntosh



**ELEY ventus** competition air pellets are manufactured with the highest precision and quality. ELEY's market-leading technology and testing processes ensure production tolerances are consistent throughout batches.

**ELEY ventus** is the pellet choice of many of the world's elite, whether shooting in competition or training you can depend on ELEY's world-class accuracy and performance.

Available in 4.49mm, 4.50mm and 4.51mm diameters to ensure a match with all air rifles and air pistols.

**Patented recyclable box** - ELEY have developed protective packaging which is compartmentalized, transparent and padded to aid dispensing, traveling, and to minimise damage.



**ventus**

.177<sub>cal</sub>  
4.49<sub>mm</sub>



**ventus**

.177<sub>cal</sub>  
4.50<sub>mm</sub>



**ventus**

.177<sub>cal</sub>  
4.51<sub>mm</sub>



Aedan Evans



Katie Gleeson



Georgina Geikie



Jen McIntosh and Jack Bale





**1828**

ELEY is established by William and Charles Eley

**1837**

ELEY produces the first waterproof percussion cap

**1851**

ELEY products receive public recognition being displayed at the Great Exhibition of London

**1874**

ELEY goes public on the U.K. Stock Exchange

**1951**

ELEY tenex is introduced and for the first time the British Championships are won with British manufactured ammo

**1964**

ELEY tenex won ALL of the gold and silver medals at the Tokyo Olympic Games

**1976**

ELEY is used to win three gold, three silver and two bronze medals at the Montreal Olympic Games

**1988**

ELEY receives the Queen's Award for Technology with the development of ELEY Prime, a fully automated dry priming system

**2004**

ELEY is used to win 9 out of 15 Medals at the Athens Olympic Games



**2008**

ELEY celebrates 180 years of ammunition production

**2010**

ELEY is used to win 100% of medals at the Commonwealth Games in Delhi

**2012**

ELEY is used to win 14 out of 18 medals at the London Olympic Games

**2012**

ELEY opens new state-of-the-art test facility in Winters, TX

**2013**

ELEY edge is launched, a round nose with a patented oxidized black brass cartridge

**2014**

ELEY is used to win ALL of the World Championship Gold Medals in Granada, Spain

**2014**

ELEY Group Ltd is established

**2016**

ELEY wins 4 out of 6 Gold medals at the Rio Olympic Games

**2017**

ELEY begins manufacturing air pellets

ELEY high velocity hollow receives Editor's Choice best .22LR ammunition, *Petersen's Hunting*



E rifle	ammunition	description	bullet weight	cartridge length	velocity	energy
	tenex	Most accurate .22LR cartridge in the world. Flat nose, extensive process control in all aspects of production and testing.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyzer www.eleyammunition.com	See ELEY lot analyzer www.eleyammunition.com
	match	Competition winning performance developed with elite measuring analytics to increase consistency and accuracy.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyzer www.eleyammunition.com	See ELEY lot analyzer www.eleyammunition.com
	edge	Patented black oxidation process improves priming and propellant burn consistency and also provides uniformed bullet release force for greater accuracy.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyzer www.eleyammunition.com	See ELEY lot analyzer www.eleyammunition.com
E pistol	ammunition	description	bullet weight	cartridge length	velocity	energy
	tenex pistol	All the accuracy of ELEY tenex with the round nose bullet that helps feeding and chambering.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyzer www.eleyammunition.com	See ELEY lot analyzer www.eleyammunition.com
	tenex slow pistol	ELEY tenex slow pistol has a round nose profile for superior accuracy and a lower velocity for consistent recoil and feel.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyzer www.eleyammunition.com	See ELEY lot analyzer www.eleyammunition.com
	match pistol	Increases competitive performance with the round nose bullet profile for smooth functioning.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyzer www.eleyammunition.com	See ELEY lot analyzer www.eleyammunition.com
E rifle & pistol	match slow pistol	By using a faster burning propellant, ELEY match slow pistol ensures a reliable performance with improved sight picture recovery.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyzer www.eleyammunition.com	See ELEY lot analyzer www.eleyammunition.com
	ammunition	description	bullet weight	cartridge length	velocity	energy
	club	Our mid-range competitive target cartridge that utilizes the benefits of the round nose bullet profile.	2.59g (40 grains)	25.4mm (1in)	muzzle.....331 m/sec (1085 ft/sec) 50m (55yds).....303 m/sec (994 ft/sec) 91m (100yds).....285 m/sec (935 ft/sec)	muzzle.....14.5 kg/m (104.9 ft/lb) 50m (55yds).....12.1 kg/m (87.5 ft/lb) 91m (100yds).....10.7 kg/m (77.4 ft/lb)
	target	Our entry level target cartridge with the round nose bullet profile.	2.59g (40 grains)	25.4mm (1in)	muzzle.....332 m/sec (1090 ft/sec) 50m (55yds).....303 m/sec (994 ft/sec) 91m (100yds).....285 m/sec (935 ft/sec)	muzzle.....14.6 kg/m (105.6 ft/lb) 50m (55yds).....12.1 kg/m (87.5 ft/lb) 91m (100yds).....10.7 kg/m (77.4 ft/lb)

E biathlon	ammunition	description	bullet weight	cartridge length	velocity	energy
	tenex biathlon	Extensive research and testing have led to a new lubricant design for low temperatures and an increased propellant charge for the biathlon target. The reduced diameter flat nose bullet aids in consistent chambering.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyzer www.eleyammunition.com	See ELEY lot analyzer www.eleyammunition.com
	match biathlon	A highly accurate cartridge used for training and competing at the highest levels with the patented flat nose bullet profile, which improves aerodynamic stability for exceptional ballistic performance.	2.59g (40 grains)	25.4mm (1in)	See ELEY lot analyzer www.eleyammunition.com	See ELEY lot analyzer www.eleyammunition.com

E hunting	ammunition	description	bullet weight	cartridge length	velocity	energy
	high velocity hollow	The first black oxidized .22LR hunting cartridge. ELEY's engineers discovered that the oxidation process optimizes the contact area between case and bullet for greater internal ballistic consistency and a proven increase in accuracy.	2.46g (38 grains)	25.4mm (1in)	muzzle .....381 m/sec (1250 ft/sec) 50m (55yds).....355 m/sec (1164 ft/sec) 91m (100yds) .....332 m/sec (1088 ft/sec)	muzzle .....19.2 kg/m (139.0 ft/lb) 50m (55yds)..... 16.6 kg/m (120.0 ft/lb) 91m (100yds) ..... 14.5 kg/m (105.0 ft/lb)
	subsonic hollow	Independent tests have shown that due to the manufacturing process that preserves a sharp edge to the hollow point, ELEY's subsonic hollow has market leading expansion and stopping power.	2.46g (38 grains)	25.4mm (1in)	muzzle .....317 m/sec (1040 ft/sec) 50m (55yds) .....295 m/sec (969 ft/sec) 91m (100yds) .....276 m/sec (905 ft/sec)	muzzle .....13.3 kg/m (96.2 ft/lb) 50m (55yds) ..... 11.5 kg/m (83.2 ft/lb) 91m (100yds) ..... 10.1 kg/m (73.1 ft/lb)

E recreation	ammunition	description	bullet weight	cartridge length	velocity	energy
	force	Utilizing a specially developed propellant for supersonic velocity and dependable functioning in semi-automatic firearms. The heavier 42 grain bullet and the black oxidized case combine to produce superior energy and accuracy.	2.7g (42 grains)	25.4mm (1in)	muzzle .....381 m/sec (1250 ft/sec) 25m (27yds).....355 m/sec (1164 ft/sec) 50m (55yds).....336 m/sec (1103 ft/sec) 91m (100yds).....314 m/sec (1031 ft/sec)	muzzle .....20.0 kg/m (144.7 ft/lb) 25m (27yds).....17.3 kg/m (125.1 ft/lb) 50m (55yds) ..... 15.5 kg/m (112.1 ft/lb) 91m (100yds) ..... 13.6 kg/m (98.4 ft/lb)
	contact	A subsonic round which ensures ELEY's outstanding accuracy and reliability in semi-automatic rifles and pistols. Fast sight picture recovery enables quick follow-up shots while the 42 grain bullet increases back-pressure for consistent feeding and cycling.	2.7g (42 grains)	25.4mm (1in)	muzzle .....332 m/sec (1090 ft/sec) 25m (27yds).....319 m/sec (1046 ft/sec) 50m (55yds).....308m/sec (1009 ft/sec) 91m (100yds).....292 m/sec (958 ft/sec)	muzzle .....15.2 kg/m (109.9 ft/lb) 25m (27yds)..... 14.0 kg/m (101.3 ft/lb) 50m (55yds).....13.1 kg/m (94.8 ft/lb) 91m (100yds) ..... 11.7 kg/m (84.6 ft/lb)
	action	A multi-purpose round engineered with legendary ELEY accuracy and performance.	2.59g (40 grains)	25.4mm (1in)	muzzle .....332 m/sec (1090 ft/sec) 50m (55yds).....303 m/sec (994 ft/sec) 91m (100yds).....285 m/sec (935 ft/sec)	muzzle .....14.6 kg/m (105.6 ft/lb) 50m (55yds).....12.1 kg/m (87.5 ft/lb) 91m (100yds) ..... 10.7 kg/m (77.4 ft/lb)

E air pellets	ammunition	description	E air pellets	ammunition	description
	tenex air	ELEY's premium air pellets join our range of .22LR ammunition in 2018. Weight control within batches is 30% better than any other competitor for world-class accuracy, setting new standards for .177 calibre air pellets.  Available in 4.49mm, 4.50mm and 4.51mm and packed in a compartmentalized plastic container to minimize damage during travel.		ventus	Competition air pellets are manufactured with the highest precision and quality. ELEY's market-leading technology and testing processes ensure production tolerances are consistent throughout batches.  Available in 4.49mm, 4.50mm and 4.51mm and packed in a compartmentalized plastic container to minimize damage during travel.





Nicco Campriani



Virginia Thrasher



Jessie Harrison and Jamie Corkish

At ELEY, we are extremely proud to sponsor those who actively engage in and continuously support and promote the shooting sports. We salute your enthusiasm, your competitive spirit and your unwavering commitment to excellence.





# ELEY®

accuracy defined

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 /EleyAmmunition

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 eley\_ltd

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